

California Energy Commission

STAFF REPORT

LOCALIZED HEALTH IMPACTS REPORT

Addendum 7 for Selected Projects With Location Changes
Awarded Funding Through the Alternative and Renewable
Fuel and Vehicle Technology Program Under Solicitation
PON-11-602 – Alternative Fuels Infrastructure: Electric,
Natural Gas, Propane, E85, and Diesel Substitutes
Terminals



CALIFORNIA
ENERGY COMMISSION

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ADDENDUM 7

This addendum applies the assessment approach as written in CEC-600-2012-004-AD¹ and reports on the potential localized health impacts of station location changes for the Green Charge Networks, LLC, project “Smart Grid Enabled Direct Current Fast Charging with Energy Storage,” and one station location change for RTC Fuels, LLC dba Pearson Fuels, project “19 Pearson Fuels E85 Stations.” The proposed station locations are listed in Table 1, along with the environmental justice (EJ) indicators. The terms of PON-11-602 allow for station location changes.²

Table 1: Proposed Address Changes for 13 Electric Charging Stations and 1 E85 Station, and EJ Indicators³

Green Charge Networks Original Location	Green Charge Networks New Location	EJ Indicators for New Location
3111 West Temple Avenue, Pomona, California 91768	399 Marine Parkway, Redwood City, California 94065	1-Minority
3450 Overland Avenue, Los Angeles, California 90034	1515 Ocean Avenue, Santa Monica, California 90401	1-Age
7858 Van Nuys Boulevard, Van Nuys, California 91402	105 East Anapamu Street, Santa Barbara, California 93101	1-Minority 1-Age
8693 Irvine Center Drive, Irvine, California 92618	750 Marshall Street, Redwood City, California 94063	1-Minority
5075 Westminster Boulevard, Seal Beach, California 92683	333 East 8th Street, Oakland, California 94608	1-Poverty 1-Unemployment
3366 North San Gabriel Boulevard, Rosemead, California 91770	12500 Campus Drive, Oakland, California 94619	1-Poverty 1-Unemployment

1 Williams, Sarah, Eric Law. 2012. *Localized Health Impacts Report*. California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2012-004-AD

2 California Energy Commission, Fuels and Transportation Division, Questions and Answers for PON-11-602, March 9, 2012. http://www.energy.ca.gov/contracts/PON-11-602/PON-11-602_infrastructure_questions_and_answers.pdf

3 The EJ indicators follow: (i.) minority subset represents more than 30 percent of a given city’s population (2010), (ii.) city’s poverty exceeds California’s poverty level of 15.3 percent (2010), (iii.) city’s unemployment rate exceeds California’s unemployment rate of 7.3 percent as of October 2014, and (iv.) city’s percentage of persons younger than 5 years of age or older than 65 years of age is 20 percent higher than then California’s average. Note: For the entire state, the percentage of persons under the age of 5 years is 6.8 percent, and the percentage of persons over the age of 65 years is 11.4 percent.

Green Charge Networks Original Location	Green Charge Networks New Location	EJ Indicators for New Location
23021 Sunnymead Boulevard, Moreno Valley, California 92553	900 Fallon Street, Oakland, California 94607	1-Poverty 1-Unemployment
1001 West Orangethorpe Avenue, Fullerton, California 92833	800 North State College Boulevard, Fullerton, California 92831	1-Minority
13801 Mango Drive, Del Mar, California 92014	2525 Tasman Drive, Santa Clara, California 95054	None
2217 East 17 th Street, Santa Ana, California 92705	3536 Butte Campus Drive, Oroville, California 95965	1-Poverty 1-Age 1-Unemployment
5536 East Washington Boulevard, Los Angeles, California 90040	99 Montecillo Road, San Rafael, California 94903	1-Minority 1-Age
609 Rancho Conejo Boulevard, Thousand Oaks, California 91320	665 West Lancaster Boulevard, Lancaster, California 93534	1-Poverty 1-Minority 1-Unemployment
11461 Firestone Boulevard, Norwalk, California 90650	2886 Mission Drive, Solvang, California 93463	1-Age
Pearson Fuels Original E85 Site Location	Pearson Fuels New Address	
5045 Madison Avenue, Sacramento, California 95841	2800 East Imperial Highway, Fullerton, California 92835	1-Minority

Source: Energy Commission staff analysis

Location Analysis and Community Impacts

Based on the staff's assessment of the proposed station location changes, it is expected that none of the surrounding communities will be disproportionately impacted by the installation of the projects. The location analysis and community impacts are based on the locations of the projects as indicated in Appendix A.

The proposed station locations have an estimated gasoline gallon equivalent (GGE) displacement that equals the originally proposed station locations. (Green Charge Networks is 165 GGE/year, and Pearson Fuels is 185,603 GGE/year.) With the exception of Santa Clara, the proposed locations have the same nonattainment status for ozone, particulate matter (PM) 2.5, and PM 10, as the original locations and have at least one EJ indicator.

The project locations have five poverty EJ indicators, seven minority population EJ indicators, five age EJ indicators, and five unemployment EJ indicators. The percentage of at-risk communities and EJ indicators for the new proposed station locations is comparable to the original proposed station locations.

Summary

The proposed station location changes for Green Charge Networks will impact each city positively. This positive impact is due to the increased use of alternative fuel vehicles. The proposed station locations will lead to cleaner air and reduced greenhouse gases for the community where the stations are planned to be located.

The proposed station for Pearson Fuels will impact the city of Fullerton positively. The E85 dispensed will replace gasoline that would be otherwise transported and used within the same localized air shed.

APPENDIX A

**Table A-1: Demographic Data Including Environmental Justice (EJ) Indicators (percentage)
(Compared to the State of California)**

Yellow highlighted areas indicate numbers that meet the definition for EJ Indicators.

	Persons Below Poverty Level (2008- 2012)	Black persons (2010)	American Indian and Alaska Native (2010)	Persons of Hispanic or Latino Origin (2010)	Persons under 5 years of age (2010)	Persons over 65 years of age (2010)	Un- employ- ment rate (Sept 2014)
California	15.3	6.2	1.0	37.6	6.8	11.4	7.3
California (minorities)		>30.0	>30.0	>30.0			
Redwood City	9.1	2.4	0.7	38.8	7.5	10.6	4.1
Santa Monica	11.3	3.9	0.4	13.1	4.1	15.0	6.4
Santa Barbara	14.7	1.6	1.0	38.0	5.5	14.2	3.7
Oakland	20.3	28.0	0.8	25.4	6.7	11.1	8.8
Fullerton	14.6	2.3	0.6	34.4	5.9	11.7	5.7
Santa Clara	9.0	2.7	0.5	19.4	7.8	10.0	4.7
Oroville	25.0	2.9	3.7	12.5	8.4	12.6	10.6
San Rafael	10.7	2.0	1.2	30.0	6.2	15.8	4.6
Lancaster	21.0	20.5	1.0	38.0	8.0	8.1	11.1
Solvang	5.6	0.7	1.1	29.2	5.3	20.9	2.0

Sources: Unemployment information from the State of California, Employee Development Department (EDD) Labor Market Information Division: http://www.labormarketinfo.edd.ca.gov/CES/Labor_Force_Unemployment_Data_for_Cities_and_Census_Areas.html and Demographics information from the U.S. Department of Commerce, U.S. Census Bureau: <http://quickfacts.census.gov/qfd/states/06/0660102..html>